

stands within 20 feet from the thermometers, and to the north of the line of wall to which the shed is attached.

When the shed is thus placed, the iron holdfasts of the shed, instead of being screwed directly to the wall, should be screwed to a partition formed of upright inch boards, which are nailed to and blocked out by two pieces of 4 x 4 scantling, fastened horizontally to the wall. The object of this partition is to guard the shed from radiation from the wall, which may be much hotter or colder than the air whose temperature it is desired to know. The partition should therefore extend at least one foot above, below, and beyond the sides of the shed.

Window Exposures to be Avoided if Possible.—The practice of exposing thermometers where they can be read through a window is to be avoided if possible; but if the premises be not adapted for other modes of exposure, so that the choice lies between observations through a window and no observations at all, the shed may be attached to two scantlings stretched across the window,* with a sliding door fitted to the back of the shed, the screen being turned round so that its doors may face the south. It would be well also to fit a sliding pane to the window, which should be kept open as short a time as possible, when the self-registering thermometers are set.

(84) Snow to be removed from the Screen, &c.—More snow must not be allowed to accumulate near the thermometer shed than is found elsewhere in the immediate neighbourhood; and if snow has disappeared generally from the ground near at hand, snow and ice close to the shed should be removed.

Snow that settles on the slats of the shed or screen should be kept brushed away; and if snow settles on the thermometers, it should be carefully removed some time before an observation is taken.

(85) No Rubbish allowed in or about Thermometer Sheds.—The thermometers, as well as the screen and shed, &c., should be kept free from dust, cobwebs and rubbish of any kind, not only to avoid slovenliness, but because their presence impedes the free introduction and circulation of the air from outside. This objection is applicable to *any articles whatever* placed in the screen between the partitions, such as rain-glasses, note books, and even spare thermometers, unless suspended for use.

* The windows must of course face north, or nearly so.